

GS-A

Silicone cables

Conductor made of twisted strands of tinned flexible copper, silicone rubber insulating sheath type EI2.



Technical data

Nominal voltage	300/500 V
Applications/Usage conditions	Resistance to heat, flexibility. For high temperatures produced by engines, transformers, generators, electric equipment, wiring harnesses for household appliances and lighting purposes.
Conductor	Flexible red copper
Insulation type	EI2 (EN 50363-1)
Insulation tensile strength	≥ 5 N/mm ²
Insulation elongation at break	≥ 150%
Sheath colour	On demand (one or two colours)
Operating temperatures	-60° C +180° C
Test voltage	2000 V

Dimensions

Cross section (Nxmm ²)	Wires max diameter (mm)	Conductor diameter (mm)	Core thickness (mm)	Core diameter ± 0,1 (mm)	Sheath thickness (mm)	Medium outer diameter ± 0,2 (mm)	Electrical resistance at 20° C (Ω/km)	Cable approx. weight (kg/km)	Cu factor (Kg/km)
1x0,35	0,210	0,76	0,60	N/A	N/A	2,1		6,80	3,36
1x0,50	0,210	0,87	0,60	N/A	N/A	2,2	39,0000	8,10	4,80
1x0,75	0,210	1,07	0,60	N/A	N/A	2,4	26,0000	11,30	7,20
1x1,00	0,210	1,23	0,60	N/A	N/A	2,5	19,5000	13,70	9,60
1x1,50	0,260	1,46	0,60	N/A	N/A	2,8	13,3000	18,80	14,40
1x2,50	0,260	1,92	0,70	N/A	N/A	3,4	7,9800	30,20	24,00
1x4,00	0,310	2,44	0,80	N/A	N/A	4,1	4,9500	47,70	38,40
1x6,00	0,310	2,96	0,80	N/A	N/A	4,7	3,3000	70,90	57,60

Please refer to the standard series EN 50565 as guide to use for cables with a rated voltage not exceeding 450/750 V - (U0/U) and CEI 20-92 as guide for the handling and warehousing of wooden drums for electric cables.